

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION

DR-656

Effective Date: November 1, 2013

Reevaluation Date: **February 2014**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

6'-8" Opaque Masonite Wood Edge Steel Multipoint Door, Inswing and Outswing, Single Door, Impact Resistant, manufactured by

Masonite Exterior Door Products
One Premdor Drive
Dickson, Tennessee 37055
Telephone: (615) 441-441-4240

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Opaque Wood Edge Steel Multipoint; (X)	Design Pressure: +90/-90 psf Maximum Size Tested: 3'-0" x 6'-8"	± 90 psf

Component Dimensions:

System	Overall Size	Panel Size
1	Inswing: 37.5" x 81.75" Outswing: 37.5" x 80.75"	35.75" x 79.25"

Component Dimensions:

System	Component	Quantity	Attachment Method
1	4" Butt Hinges	3	Secured to the door panel with four No. 10 x $\frac{3}{4}$ " screws. Secured to the door frame jamb with three No. 10 x $\frac{3}{4}$ " screws and one No. 10 x 2" screws.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	Secured with two No. 8 x 2" screws in each strike plate.
	Rockwell/Imperial Sentry Multipoint Lock	1	Installed into the door panel utilizing eight No. 8 x 1 $\frac{3}{4}$ " wood screws.

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	Self labeled by manufacturer
	Manufacturer's Name or Code Name	Masonite
	Product Name	Wood Edge Opaque Steel Door
	Test Standards	ASTM E330; ASTM E 1886; ASTM E 1996

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

System			
1	Type of Installation	Door Frame	
	Wall Framing	Southern Pine	
	Fasteners	Head and Sill: minimum No. 10 screws Jambs: minimum No. 8 screws	
	Fastener Embedment	Minimum of 1 ½ inches into the wall framing	
	Fastener Location/Spacing	Head	Minimum of two fasteners are required, each located approximately at 6" from each end.
		Sill	Minimum of two fasteners are required, each located approximately at 6" from each end.
		Side Jambs	Minimum of five fasteners are required, with one located approximately 6 inches from each end, and the remaining four are evenly spaced at 17" o.c.
		Hinges	See hardware section

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) the International Building Code (IBC), and the Texas Revisions.